



1998 Toxics Release Inventory

NORTH CAROLINA

Reported Releases and Waste Management Activities (in pounds)

	Original Industries	New Industries	Total
On-site Releases	70,747,735	57,117,092	127,864,827
Air Emissions	44,780,426	48,633,566	93,413,992
Surface Water Discharges	7,294,815	100,822	7,395,637
Underground Injection Class I Wells	29,100	0	29,100
Underground Injection Class II-V Wells	0	0	0
On-site Land Releases to RCRA Subtitle C Landfills	1,335	0	1,335
Other On-site Land Releases	18,642,059	8,382,704	27,024,763
Off-site Releases (Transfers Off-site to Disposal)*	4,882,861	650,231	5,533,092
Total On- and Off-site Releases	75,630,596	57,767,323	133,397,919
Recycled On-site	450,977,261	0	450,977,261
Recycled Off-site	79,998,828	1,040,979	81,039,807
Energy Recovery On-site	24,962,940	0	24,962,940
Energy Recovery Off-site	13,655,285	119,363	13,774,648
Treated On-site	136,366,086	3,482,140	139,848,226
Treated Off-site**	6,062,485	859,407	6,921,892
Quantity Released On- and Off-site***	76,984,678	57,902,186	134,886,864
Total Production-related Waste Managed	789,007,563	63,404,075	852,411,638
Total Non-production-related Waste Managed	90,473	3,982	94,455

Transfers Off-site for Further Waste Management/Disposal

Recycling	80,532,150	844,479	81,376,629
Energy Recovery	13,419,908	305,688	13,725,596
Treatment	3,445,221	866,579	4,311,800
Publicly Owned Treatment Works (POTWs)	2,115,595	520	2,116,115
Metals and Metal Compounds*	26,887	265	27,152
Non-metal TRI Chemicals**	2,088,708	255	2,088,963
Other Off-site Transfers****	0	0	0
Off-site Transfers to Disposal (not including metals to POTWs)	6,026,061	694,954	6,721,015
Total Transfers Off-site for Further Waste Management/Disposal	105,538,935	2,712,220	108,251,155

* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

**** Transfers reported without a valid waste management code.

For More Information . . .

State Contact:

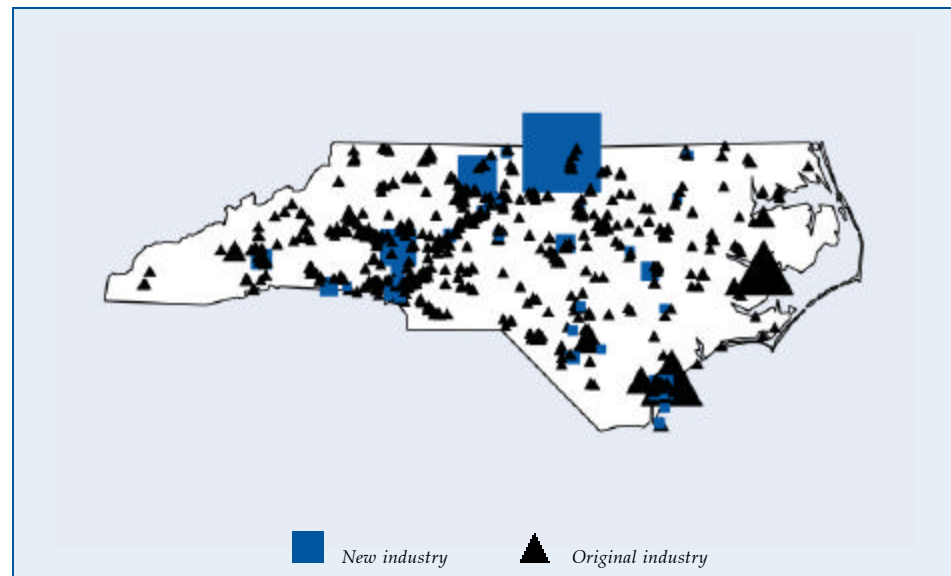
Richard Berman
(919) 733-1361
Fax: (919) 733-2860

EPA Regional Contact:

Ezequiel Velez
(404) 562-9191
Fax: (404) 562-9163

To obtain TRI data use assistance, call TRI User Support Service (TRI-US):

(202) 260-1531
Fax: (202) 401-2347



The largest marker in the state map represents the largest facility for on-site releases in the state of North Carolina. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	7,546,493
Square Miles	48,718
Total Facilities	877
Total Forms	2,909
Form As	620

	Original Industries	New Industries	Total
National Rank for Total On- and Off-site Releases*			
Rank	12	19	17
Pounds	75,630,596	57,767,323	133,397,919
National Rank for Total On-site Releases**			
Rank	10	18	16
Pounds	70,747,735	57,117,092	127,864,827
National Rank for Total Releases within State***			
Rank	12	19	17
Pounds	75,404,709	57,294,485	132,699,194
National Rank for Production-related Waste Managed			
Rank	9	23	14
Pounds	789,007,563	63,404,075	852,411,638

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



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On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Original Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Chromium compounds	7,329	303	0	10,000,010	46,089	10,053,731	9,497	26,249	19,845
67-56-1	Methanol	8,755,534	173,508	0	92,955	81,952	9,103,949	81	12,648	69,304
7664-38-2	Phosphoric acid	38,759	5	0	7,678,654	4,494	7,721,912	0	4,244	250
—	Nitrate compounds	255	5,805,523	0	28,911	243,270	6,077,959	1,196	243,270	0
108-88-3	Toluene	5,266,954	31	0	597	211,858	5,479,440	21,100	205,730	6,128
7664-41-7	Ammonia	3,309,460	903,634	0	25,524	22,307	4,260,925	4,057	18,695	3,612
110-54-3	n-Hexane	3,885,758	0	0	0	27	3,885,785	0	10	17
7647-01-0	Hydrochloric acid	2,891,118	0	0	0	0	2,891,118	0	0	0
75-09-2	Dichloromethane	2,590,437	4,271	0	0	0	2,594,708	32,914	0	0
78-93-3	Methyl ethyl ketone	2,425,354	1,740	0	3,091	26,530	2,456,715	24,215	15,762	10,768

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Seven New Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7647-01-0	Hydrochloric acid	40,841,301	0	0	0	0	40,841,301	0	0	0
—	Barium compounds	41,435	44,911	0	4,466,235	146,035	4,698,616	2,352	146,025	10
7664-39-3	Hydrogen fluoride	3,968,640	0	0	0	0	3,968,640	0	0	0
7664-93-9	Sulfuric acid	3,372,378	0	0	0	0	3,372,378	0	0	0
—	Copper compounds	6,510	6,827	0	798,430	11,030	822,797	21	11,020	10
—	Manganese compounds	9,917	19,560	0	642,510	30	672,017	193	20	10
—	Zinc compounds	18,524	1,289	0	581,300	55,242	656,355	14	9,870	45,372
—	Chromium compounds	8,467	1,637	0	567,420	31	577,555	23	21	10
—	Arsenic compounds	11,301	17,183	0	479,260	20	507,764	60	15	5
—	Nickel compounds	7,565	2,064	0	442,280	20	451,929	4	15	5

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.



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On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Original Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Occidental Chemical Corp., Castle Hayne, New Hanover	6,369	37	0	0	0	10,000,006	10,006,412	0	13,000
PCS Phosphate Co. Inc., Aurora Div., Aurora, Beaufort	1,972,606	0	0	0	0	7,678,366	9,650,972	0	0
Smithfield Packing Co. Inc., Tar Heel Div., Tar Heel, Bladen	10,528	4,116,067	0	0	0	0	4,126,595	0	0
International Paper, Riegelwood, Columbus	2,886,560	249,095	29,100	0	0	554,352	3,719,107	0	0
Champion Intl. Corp., Canton, Haywood	2,265,877	88,812	0	0	0	0	2,354,689	295,395	0
Weyerhaeuser Co., Plymouth NC Mill, Plymouth, Martin	1,961,604	271,019	0	0	0	109,160	2,341,785	58,100	0
Du Pont Cape Fear, Leland, Brunswick	1,676,202	590,355	0	0	0	2,383	2,268,940	56,438	184
Shurtape Techs. Inc., Hickory Tape Plant, Hickory, Catawba	1,807,798	0	0	0	0	0	1,807,798	53,752	0
Weyerhaeuser, Vanceboro, Craven	1,375,440	68,850	0	0	0	2,510	1,446,800	0	0
Railroad Friction Prods. Corp., Maxton, Scotland	952,040	7	0	0	0	0	952,047	3,260	26

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Seven New Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Roxboro Steam Electric Plant, Semora, Person	15,148,574	7,803	0	0	0	2,134,500	17,290,877	0	0
Duke Energy Belews Creek Steam Station, Walnut Cove, Stokes	6,579,395	3,884	0	0	0	689,555	7,272,834	55	0
Duke Energy Marshall Steam Station, Terrell, Catawba	5,696,215	9,325	0	0	0	938,690	6,644,230	57	0
Mayo Electric Generating Plant, Roxboro, Person	4,720,134	8,190	0	0	0	934,000	5,662,324	0	0
L. V. Sutton Plant, Wilmington, New Hanover	3,127,286	17,640	0	0	0	598,000	3,742,926	0	0
Asheville Plant, Arden, Buncombe	2,419,423	5,432	0	0	0	458,000	2,882,855	0	0
Duke Energy Plant Allen, Belmont, Gaston	1,847,800	17,720	0	0	0	700,045	2,565,565	0	45
Cape Fear Steam Electric Plant, Moncure, Chatham	2,067,218	438	0	0	0	394,000	2,461,656	0	0
Duke Energy, Cliffside Steam Station, Cliffside, Rutherford	1,720,530	20,486	0	0	0	508,040	2,249,056	40	0
H. F. Lee Steam Electric Plant, Goldsboro, Wayne	1,870,976	2,649	0	0	0	371,000	2,244,625	0	0

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



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Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Original Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Occidental Chemical Corp., Castle Hayne, New Hanover	0	0	0	0	0	0	10,000,000	10,000,000	9,300
PCS Phosphate Co. Inc., Aurora Div., Aurora, Beaufort	103,477,000	0	0	0	0	0	9,650,892	113,127,892	0
Smithfield Packing Co. Inc., Tar Heel Div., Tar Heel, Bladen	0	0	0	0	772,045	0	4,126,595	4,898,640	0
International Paper, Riegelwood, Columbus	0	0	2,378,360	0	15,627,611	0	3,685,130	21,691,101	45
Champion Intl. Corp., Canton, Haywood	0	0	10,607,000	0	5,043,272	0	2,620,650	18,270,922	0
Weyerhaeuser Co., Plymouth NC Mill, Plymouth, Martin	56,034	10,596	0	220	18,125,437	0	2,399,885	20,592,172	0
Du Pont Cape Fear, Leland, Brunswick	1,149,427	0	452,150	5,305,380	3,420,791	161,257	2,325,562	12,814,567	0
Shurtape Techs. Inc., Hickory Tape Plant, Hickory, Catawba	19,776,110	0	0	8,696	0	6,075	1,856,200	21,647,081	0
Weyerhaeuser, Vanceboro, Craven	0	0	59,030	0	20,210,480	0	1,446,320	21,715,830	0
Porcelanite Inc., Lexington, Davidson	4,037	40,370	0	0	0	0	1,182,351	1,226,758	1

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Seven New Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Roxboro Steam Electric Plant, Semora, Person	0	0	0	0	29,000	0	17,333,000	17,362,000	460
Duke Energy Belews Creek Steam Station, Walnut Cove, Stokes	0	0	0	0	268,000	0	7,276,900	7,544,900	15
Duke Energy Marshall Steam Station, Terrell, Catawba	0	0	0	0	104,000	0	6,646,300	6,750,300	15
Mayo Electric Generating Plant, Roxboro, Person	0	0	0	0	0	0	5,662,000	5,662,000	0
L. V. Sutton Plant, Wilmington, New Hanover	0	0	0	0	0	0	3,745,000	3,745,000	0
Asheville Plant, Arden, Buncombe	0	0	0	0	0	0	2,881,000	2,881,000	0
Duke Energy Plant Allen, Belmont, Gaston	0	0	0	0	22,000	0	2,567,000	2,589,000	12
Cape Fear Steam Electric Plant, Moncure, Chatham	0	0	0	0	0	0	2,458,000	2,458,000	0
Duke Energy, Cliffside Steam Station, Cliffside, Rutherford	0	0	0	0	46,000	0	2,250,300	2,296,300	12
H. F. Lee Steam Electric Plant, Goldsboro, Wayne	0	0	0	0	0	0	2,242,000	2,242,000	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.